

Meeting Agenda (Draft)

**National Earthquake Prediction Evaluation Council (NEPEC)**

Wednesday and Thursday, September 10-11, 2008.

Boardroom, Hilton Palm Springs Resort

400 East Tahquitz Canyon Way, Palm Springs, CA

**Wednesday, September 10**

- 2:00 pm Introductions, review agenda Jim Dieterich
- 2:15 Earthquake Rupture Forecasts: UCERF wrap-up and looking forward Ned Field  
*Ned will begin with a summary of how the Working Group wrapped up work on UCERF2 and how those results were transmitted to the public and for use by the CEA and National Seismic Hazard Mapping Project. He will then give his thoughts on research required to improve future time-dependent rupture forecasts and hazard assessments.*
- 3:15 Break
- 3:30 Update on SCEC-sponsored activities Terry Tullis  
*Terry will brief the Council on the suite of research supported under SCEC's focus group on Earthquake Forecasting and Predictability, and on the coordination of development of earthquake simulator software.*
- 3:45 Research funding: CEA Tom Jordan, Ned Field  
*Tom and Ned will give an update on the status of discussions between CEA, USGS, CGS and SCEC on continued CEA support of UCERF development.*
- 4:00 CSEP: Status and plans Tom Jordan, Danijel Schorlemmer  
*Tom will brief the Council on development of an international Colaboratory for Study of Earthquake Predictability, international and domestic activities, tests already underway, and potential for expansion to a broader suite of prediction types. Danijel will report on work to establish testing centers in California, Zurich, Japan, New Zealand and elsewhere.*
- 5:00 NEPEC discussion
- 5:30 Adjourn

**Thursday, September 11**

- 8:30 Continental breakfast (in the meeting room)
- 9:00 Administrative updates Mike Blanpied
- 9:15 Science updates: M8/MSc, GEM, others Council, guests
- 9:45 Analysis of Accelerated Moment Release (AMR) method Jeanne Hardebeck  
*Jeanne will describe results from a suite of observational tests applied to the Accelerating Moment Release earthquake prediction hypothesis.*

- 10:15 Break
- 10:30 ETS: Workshop report and recent developments Evelyn Roeloffs  
*Following a recommendation from the NEPEC, USGS co-sponsored a workshop on episodic tremor and slow slip (ETS) in February. Evelyn will report on outcomes of that workshop, and on recent observations and developments in the study of ETS phenomena.*
- 11:00 Earthquake advisories Mike Reichle, Evelyn Roeloffs  
*Evelyn will lead a discussion of the concept of USGS issuing "earthquake advisories" for earthquakes of concern, given anomalous or concerning observations in Cascadia or elsewhere, and potential NEPEC roles. California has a procedure for composing and disseminating advisories, but the earthquake swarm under Reno illustrate a broader need.*
- 12:00 Lunch
- 1:00 NEPEC executive session
- 1:30 Adjourn

## MEETING PARTICIPANTS

### **NEPEC:**

James Dieterich, University of California, Riverside (Chair)  
 David Applegate, USGS, Reston (Co-chair) {will not attend}  
 Göran Ekström, Columbia University {will not attend}  
 William Ellsworth, USGS, Menlo Park {may not attend}  
 David Jackson, University of California, Los Angeles  
 Evelyn Roeloffs, USGS, Vancouver, WA  
 Barbara Romanowicz, University of California, Berkeley  
 Bruce Shaw, Columbia University  
 Wayne Thatcher, USGS, Menlo Park  
 Jeroen Tromp, California Institute of Technology  
 Robert Wesson, USGS (retired), Golden  
 Mary Lou Zoback, Risk Management Solutions, Inc., Newark, CA {will not attend}

Michael Blanpied, USGS, Reston (Exec. Sec'y)

### **Invited Speakers:**

Edward (Ned) Field, USGS, Pasadena  
 Jeanne Hardebeck, USGS, Menlo Park  
 Thomas Jordan, USC and Director, Southern California Earthquake Center  
 Michael Reichle, California Geological Survey (retired), San Diego  
 Danijel Schorlemmer, University of Southern California  
 Terry Tullis, Brown University

### **Meeting Organizer:**

Joyce Costello, USGS, Reston